

ABSTRACT

A camera module for mobile device is reduced in size and production cost. CCDs, which are photoelectronic transducers, are formed in a surface of a semiconductor chip composing an image sensor, and an IR filter is bonded with an adhesive to cover the surface of the semiconductor chip. The IR filter has a filtering function in addition to a function to support the semiconductor chip. The IR filter is obtained by vacuum deposition of metal on a glass material or incorporating copper particles into a glass material, and implements both filtering function and chip-supporting function.